

Title (en)

Apparatus for inserting a pouring spout to a container.

Title (de)

Vorrichtung zum Anbringen einer Ausgussmündung an einem Behälter.

Title (fr)

Dispositif d'insertion d'un bec verseur dans un récipient.

Publication

**EP 0426360 A1 19910508 (EN)**

Application

**EP 90311615 A 19901023**

Priority

JP 12767189 U 19891031

Abstract (en)

An apparatus for inserting a pouring spout (5) to a container comprising an aligning feed chute (6) for feeding pouring spout (5), a holding portion (15) for holding the pouring spout (5) and a drive device coupled to a support arm (23) of the holding portion (15) for moving the holding portion (15), the aligning feed chute (6) being arranged upwardly of an upper end opening (2) of the container body (1) of the container having a pouring spout mounting hole (4) in a side surface (3) thereof, the holding portion (15) being disposed directly above the opening (2) of the container body (1), characterized in that the drive device reciprocates the holding portion (15) in vertical directions (Y) between a position opposed to an opening (14) for removing the pouring spout (5) of the aligning feed chute (6) and a position opposed to the pouring spout mounting hole (4) of the container, and further reciprocates the holding portion (15) in horizontal directions (Z) between a position opposed to the pouring spout mounting hole (4) of the container body and a position for inserting the pouring spout (5) into the pouring spout mounting hole (4). The apparatus for inserting the pouring spout (5) to a container of this invention employs a configuration in which the holding portion (15) of the apparatus can complete all steps from reception of the pouring spout (5) to insertion of the same by only four operations comprising vertical movements and horizontal movements.

IPC 1-7

**B31B 1/84**

IPC 8 full level

**B31B 1/84** (2006.01); **B65B 61/20** (2006.01)

CPC (source: EP US)

**B31B 50/84** (2017.07 - EP US); **B65B 61/186** (2013.01 - EP)

Citation (search report)

- [A] US 4788811 A 19881206 - KAWAJIRI RYOICHI [JP], et al
- [A] GB 2112344 A 19830720 - SHIBUYA KOGYO CO LTD

Cited by

US6662524B2; CN107089388A; US5435803A; CN102365209A; EP2644519A1; US9061782B2; WO2010111327A1; WO9839210A1

Designated contracting state (EPC)

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